



California Water Plan Update 2013 Water Technology Caucus GROUP CHARTER

Section 1 – Charge, Parameters, Activities, Scope, Schedule

Group Charge:

The California Water Plan (CWP) Water Technology Caucus is a statewide topic-based workgroup designed to support development of *CWP Update 2013* through in-depth discussions and deliberations of innovation, technology, applied research and development topics and issues. The Water Technology Caucus will identify and expand information associated with statewide and regional water technology needs, opportunities and challenges for implementing new technologies in California. The expanded statewide and regional information will help inform technology planning, actions, pilot projects and investments by Federal, Tribal, State, regional and local governments and agencies, non-governmental organizations, and private applied research and innovation initiatives. This will lead to the commercialization of new water technologies, an enhanced focus on California water research, information and data needs, and a better scientific understanding of California's water-related systems.

The Water Technology Caucus will work closely with California research and academic institutions working on water technology initiatives to develop a set of water technology related recommendations and roadmap for *CWP Update 2013*. Building on *CWP Update 2009*, the Water Technology Caucus will provide informational updates to, and receive input from, the State Agency Steering Committee, technical project teams, Public and Tribal Advisory Committees, Federal Agency Network, and Regional Forums.

Parameters:

- The caucus will build on Update 2009's Objective 11 - Invest in New Water Technology and Objective 10 - Improve Data & Analysis for Decision-making, and their related actions.
- The caucus will be closely coordinated with existing water technology initiatives including the International Center for Water Technology's Water Cluster and California Council for Science and Technology's Water Innovation Initiative.
- Project deliverables for *CWP Update 2013* will be based on the best existing and available data, information, and analyses from Federal, Tribal, State, regional and local public and private efforts and planning activities.

Activities:

Content for the technology content enhancement portion of *CWP Update 2013* is being provided by Water Technology Caucus members, Water Plan technical work teams, Public and Tribal Advisory Committees, the State Agency Steering Committee, Federal Agency Network, Regional Forum participants, and IRWM Regional Water Management Groups. The table below outlines the technical scope of the Water Technology Caucus deliverables and the Caucus team focus. The Water Technology Caucus compiles and develops technical content and provides input to the technical content, reviews approach, and makes policy recommendations for discussion by the other Water Plan venues.

Scope:

Deliverables	Caucus Focus
1. Prepare inventory of California research and academic institutions working on water technology initiatives. <i>Examples -- California Council on Science and Technology, California Academy of Sciences, the University of California, California State University, other universities and colleges, etc.</i>	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies.
2. Prepare inventory of <u>existing</u> applied research and pilot projects as part of a broad and diverse scientific agenda to fill gaps in knowledge about California's water resources.	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies.
3. Compile Water Technology Case Studies based on available information. <i>Examples -- characterization of basin/regional water resources conditions, water resources data collection, integrated technical analyses, and implementation of resource management strategies.</i>	<ul style="list-style-type: none"> • Review list of case studies planned for inclusion in CWP Update 2013; review case study approach and make recommendations on potential options.
4. Identify new and emerging technologies from industry (and individuals) including high tech and recognized appropriate technologies. Assess their value to address specific issues or concerns.	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies. • Provide a pathway between needs and solutions.
5. Identify data needs & gaps; provide recommendations for future data collection, exchange and analysis efforts.	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies.

6. Describe and prioritize a "portfolio" of future research, technology initiatives, and pilot projects that would advance more-cost effective implementation of the Water Plan's resource management strategies (27 in Update 2009).	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies.
7. Compile and develop water technology performance metrics and sustainability indicators for the Update 2013 Sustainability Indicators initiative.	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies.
8. Identify communication strategies to inform and educate policymakers, resource managers, investors, and the public about new water technologies.	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on application and presentation of data, and methodologies.
9. Include in Update 2013 a <i>Water Technology Innovation Roadmap</i> consisting of a 10/25/50-year plan with water science and technology actions, finance plan, and implementation recommendations.	<ul style="list-style-type: none"> • Provide input and draft text as appropriate on planned objectives, guidelines, and/or approach. • Evaluate policy considerations and make recommendations as appropriate.

Schedule:**End of:**

- ◆ Develop Draft Caucus Charter and Work Plan: Summer 2011
- ◆ Convene Water Technology Caucus: October 14, 2011
- ◆ Inventory of existing water technology initiatives & case studies: Fall 2011
- ◆ Inventory of new/emerging technologies & data gaps: Spring 2012
- ◆ Portfolio of future RMS research & technology initiatives: Summer 2012
- ◆ Performance & sustainability indicators and comm. strategies: Fall 2012
- ◆ Draft *Water Technology Innovation Roadmap* & finance plan: Winter 2013
- ◆ Final *Water Technology Innovation Roadmap* & finance plan: Summer 2013

For More information about the Group Activities, please contact:*Caucus Co-Leads*

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